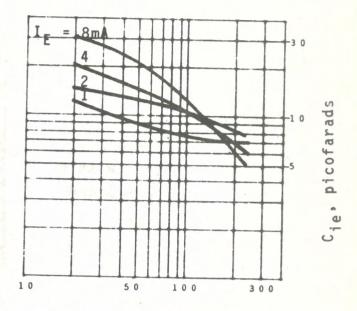
Typical Input Characteristics

Common Emitter Circuit, Base Input Collector-to-emitter volts $(V_{CE}) = 10$

AS303 AS304 AS305 AS306 AS307 AS308

Fig. 1

Input Capacitance C_{ie} Cie is constant within about 3% between $V_{CE} = 5$ and $V_{CE} = 15$



Frequency MHz

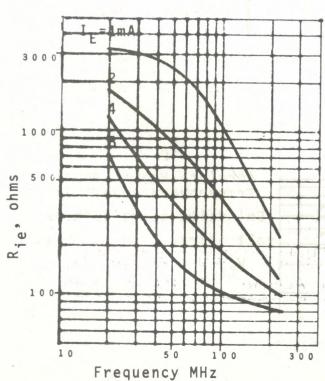


Fig. 2

Input Resistance Rie

Rie increases about 2% per volt increase in V_{CE} between

V_{CE} = 5 and V_{CE} = 15

AS303 AS304 AS305

Typical Transconductance Characteristics

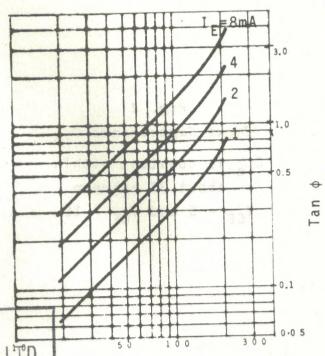
Common Emitter Circuit, Base Input Collector-to-emitter volts (V_{CF}) = 10

AS307 AS308

AS306

Fig. 3

Tangent of Phase Angle, ϕ Tan ϕ is constant within 1% between $V_{CE} = 5$ and $V_{CE} = 15$.



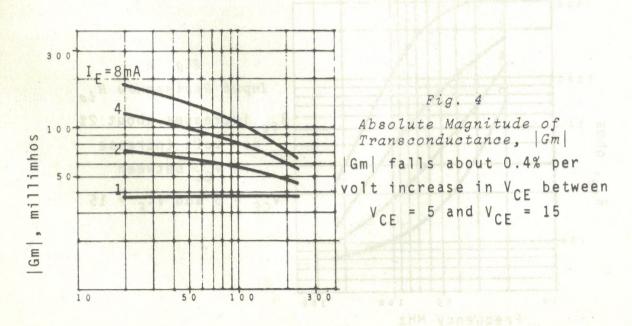
With the Compliments of ...

AMALGAMATED WIRELESS VALVE CO. PTY. LTD.

VICTORIA RD., RYDALMERE

PHONE: 638-0411

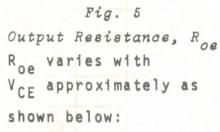
Frequency MHz

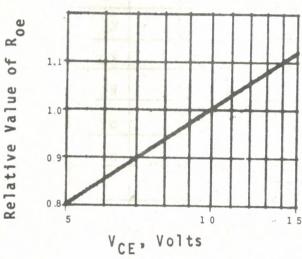


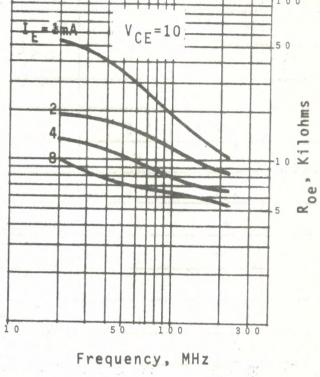
Frequency MHz

Typical Output and Feedback Characteristics
Common Emitter Circuit, Base Input

AS303 AS304 AS305 AS306 AS307 AS308







Output Capacitance, Coe:

 $\rm C_{oe}$ has typically the value 2.1 pF and is essentially independent of frequency, $\rm I_E$ and $\rm V_{CE}$

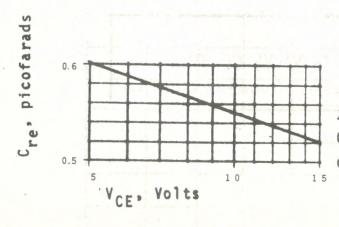


Fig. 6 Feedback capacitance, C_{re} Cre is essentially independent of frequency and I_{E}

PARAMETER	CONDITIONS			MIN.	TYP.	MAX.	UNITS
	f, MHz	I _E , mA	V _{CE} , volts				
Coe	20 - 220	1 - 8	5 - 15		2.1	0.00	pf
Roe	55	1.5	7.5	7	60	W 24	ΚΩ
	i ii	8	(1	2.0	7	en ixo	KΩ
	110	1.5	II II		30	1 80 1	ΚΩ
12 mail 1	The state of the s	6	given regarden er en	man-salupers , e.	6.5		ΚΩ
	220	1.5			10		KΩ
	The second secon	4	a patriotiva praesari i en en estado	1	7		ΚΩ
Cre	220	1	5	tige taxetil Discort	.60		pf
	H	и	10	Light Military to related	. 5 5	and the same of	pf
	н	n .	15		.52		pf
	101 × 168/	. wboweody.	Orange S. S. L.	and to make the same	Control of the second second	anim Taxarion M	
					2,5	01 1	3 Y
	11011		VQ 123 0216	1		co nga	
			K bas I v	- Partie	444	4 4 4 A	Lamah
	With the Compliments of						
	AMALGAMATED WIRELESS				The second second second second	The second second second	
	VICTORIA RD., RYDALMERE			P	HONE:	638-0	411
		rancequo o		manager (CE)			and Reserved Vigorations
		bas young	101 11	and the same of th	Andrew or bear	J.J	and some a conference of the
Charles and the second							

AMALGAMATED WIRELESS VALVE CO. PTY. LTD.

AS303 AS304 AS305 AS306 AS307 AS308